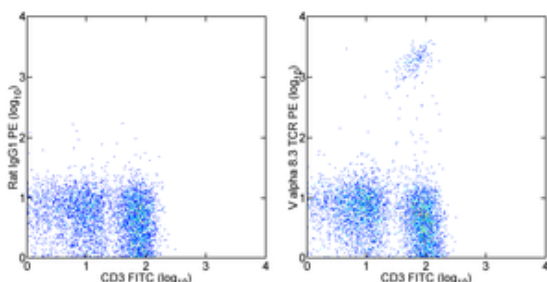


Anti-Mouse V alpha 8.3 TCR PE

Catalog Number: 12-5803

Also Known As: Valpha 8.3, Valpha8.3, Va8.3

RUO: For Research Use Only



Staining of C57BL/6 splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and 0.06 µg of Rat IgG1 κ Isotype Control PE (cat. 12-4301) (left) or 0.06 µg of Anti-Mouse Vα8.3 TCR PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse V alpha 8.3 TCR PE

REF Catalog Number: 12-5803

Clone: B21.14

Concentration: 0.2 mg/ml

Host/Isotype: Rat IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The B21.14 monoclonal antibody reacts with the mouse T-cell receptor (TCR) Vα8.3 chain in all mouse strains tested. Specifically, the epitope of B21.14 has been mapped to three amino acids which are unique to Vα8.3, but are not present in the other Vα8 subfamily members.

Applications Reported

This B21.14 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This B21.14 antibody has been tested by flow cytometric analysis of mouse splenocytes and lymph node cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Pircher H, Rebai N, Groettrup M, Grégoire C, Speiser DE, Happ MP, Palmer E, Zinkernagel RM, Hengartner H, Malissen B. Preferential positive selection of V alpha 2+ CD8+ T cells in mouse strains expressing both H-2k and T cell receptor V alpha a haplotypes: determination with a V alpha 2-specific monoclonal antibody. *Eur J Immunol.* 1992 Feb;22(2):399-404.

Necker A, Rebai N, Matthes M, Jouvin-Marche E, Cazenave PA, Swarnworawong P, Palmer E, MacDonald HR, Malissen B. Monoclonal antibodies raised against engineered soluble mouse T cell receptors and specific for V alpha 8-, V beta 2- or V beta 10-bearing T cells. *Eur J Immunol.* 1991 Dec;21(12):3035-40.

Related Products

12-4301 Rat IgG1 K Isotype Control PE

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